

US EPA RECORDS CENTER REGION 5



466801

Monthly Oversight Report 20
ACS NPL Site
Griffith, Indiana
August 3, 2002 - August 30, 2002



BLACK & VEATCH

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Black & Veatch Special Projects Corp.

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K.A.
9/17/02

USEPA/RAC VII
American Chemical Services RAO (057-ROBF-05J7)

BVSPC Project 46526
BVSPC File C.3
September 13, 2002

Mr. Kevin Adler
U.S. Environmental Protection Agency
77 W. Jackson Boulevard (SR-6J)
Chicago, Illinois 60604-3590

Subject: Monthly Oversight Summary Report
No. 20 for August 2002

Dear Mr. Adler:

Enclosed is the Monthly Oversight Summary Report No. 20 for August 2002 for the American Chemical Services Superfund Site in Griffith, Indiana.

If you have any questions, please call (312-683-7856) or email (campbelllm@bv.com).

Sincerely,

BLACK & VEATCH Special Projects Corp.

Larry M. Campbell, P.E.
Site Manager

Enclosure

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Monthly Oversight Summary Report No. 20
ACS Superfund Site WA57, 46526.238

Reporting Period: Month of August (August 3, 2002 - August 30, 2002)

BVSPC O/S Dates: August 8, 20, 22, 27, and 29, 2002

Personnel Summary Affiliation	No. of Personnel	Responsibility
Montgomery Watson Harza	5	Respondent's General Contractor
Black & Veatch Special Projects Corp.	1	USEPA Oversight Contractor
Austgen	1	Electrical Contractor
Simalabs	1	Compliance Sampling and Laboratory
Durr Environmental, Inc.	2	OFCA ISVE Thermal Oxidizer and Scrubber Manufacturer
Ryan Construction	2	General Contractor
Environmental Contractors of Illinois	5	OFCA Engineered Cover Contractor
DG Surveyors	2	Surveying Subcontractor
Momper Insulation	3	Insulation Contractor
Guardian Pest Control	2	Exterminator
Security Fence	2	Fencing Contractor

Construction Activities

Major Activities:

- Montgomery Watson Harza proved out four of the remaining ten Off-Site Containment Area in-situ soil vapor extraction wells.
- Simalabs collected the monthly compliance sample for the thermal oxidizer.
- Montgomery Watson Harza shut down the Off-Site Containment Area in-situ soil vapor extraction system.
- Ryan Construction disassembled the Off-Site Containment Area in-situ soil vapor extraction system for inspection.
- Montgomery Watson Harza held a kick-off meeting for the Off-Site Containment Area engineered cover on August 22, 2002.

- Environmental Contractors of Illinois began preparing the Off-Site Containment Area subgrade for the liner installation.
- Security Fence began installing temporary fencing to delineate the work zone for the On-Site Containment Area interim cover.
- Austgen completed reconnecting the well control panel to extraction well EW-12.
- Momper Insulation insulated the activated sludge tank and aeration tank.
- Montgomery Watson Harza held weekly construction coordination meetings on August 8, 22, and 29, 2002. The construction coordination meeting scheduled for August 15, 2002, was cancelled because limited site activities.

Activities Performed:

Montgomery Watson Harza (MWH) reported that it was able to establish flow and prove out four of the remaining 10 Off-Site Containment Area (OFCA) in-situ soil vapor extraction (ISVE) system wells. MWH also reported that it was able to measure flow from five of the remaining six wells; however, the flow was not sustained. MWH is still unable to establish flow at SVE-03. Simalabs collected the monthly compliance sample for the OFCA ISVE system thermal oxidizer on August 8, 2002.

MWH shut down the OFCA ISVE system on Friday, August 16, 2002, in order for Ryan Construction to disassemble the ducting that connects the thermal oxidizer to the scrubber. Ryan Construction disassembled the unit for inspection on August 19, 2002. Durr Environmental, Inc. (Durr) and MWH inspected the damage to the ducting and packing material on August 20, 2002. MWH and Durr observed that the flanges to the ductwork and packing material were corroded. MWH and Durr also observed that the primary quench bar and thermocouple were corroded. MWH sent the damaged ducting off-site on August 29, 2002, in order for the flanges to be replaced. MWH reported that it will continue to work with Durr to replace the other damaged parts on the unit. MWH expects to complete repairs to the system within 3 to 4 weeks. MWH is investigating a temporary, plastic packing material in order to resume operating the system within 2 weeks..

MWH held a Health and Safety/Construction Kick-off meeting with Environmental Contractors of Illinois (ECI) on August 22, 2002. ECI began preparing the subgrade for the liner installation. ECI reported that Mid-America Lining (MAL), the liner installation subcontractor, is scheduled to mobilize to the site on September 3, 2002. During the kick-off meeting, ECI reported that the liner crew was not 40-hour trained. ECI later found that the crew is 40-hour trained and reported that it will bring the appropriate documentation to the site on September 3, 2002. MWH inspected the liner as it was delivered to the site on August 29, 2002. ECI is scheduled to complete the OFCA engineered cover by October 4, 2002.

MWH reported that it is pursuing a contract with Hard Hat for the On-Site Containment Area (ONCA) Still Bottoms Pond Area (SBPA) interim cover. Security Fence began installing temporary fencing to delineate the work zone for the ONCA SBPA interim cover. MWH reported that it expected work on the ONCA SBPA interim cover to begin September 9, 2002. MWH also reported that it is negotiating a contract with Boart-Longyear for the ONCA ISVE well installation.

Montgomery Watson Harza (MWH) reported that the groundwater treatment plant (GWTP) operated at 45 gpm, pumping water from all available wells. MWH reported that there were shipping problems with the July compliance sample for the GWTP: the samples arrived at the laboratory several days late, exceeding the holding times for the samples and the required temperature. MWH reported that it collected a replacement compliance sample from the GWTP on August 8, 2002, for the July reporting period.

Austgen completed the installation of the control panel for the Off-Site Containment Area (OFCA) extraction well EW-12. Ryan Construction began installing piping and a pump for the heat exchanger for tank T-2. Momper Insulation insulated the activated sludge tank and the aeration tank during the week of August 26, 2002.

Attached are BVSPC weekly reports No. 75 through 78, correspondence, log book notes, and photographs of the daily activities. BVSPC's crew conducted oversight of the major field activities on August 8, 20, 22, 27, and 29, 2002. BVSPC's crew attended three weekly construction coordination meetings at the site on August 8, 22, and 29, 2002. MWH cancelled the weekly construction coordination meeting scheduled for August 15, 2002, because of limited site activities.

Topics of Concern:

- ECI did not know whether the MAL personnel are 40-hour trained.
- The residential well located at 1007 Reder Road could not be sampled during the annual residential well sampling event in October 2001 because the pump was not operating. This well is part of the long term monitoring program.

Concern Resolution:

- ECI verified that the MAL personnel are 40-hour trained and will have the documentation at the site by Tuesday, September 3, 2002.
- MWH's letter *Proposed Residential Well Sampling Event, American Chemical Service NPL Site, Griffith, Indiana*, dated August 12, 2002, proposes that MWH attempt to sample the well located at 1007 Reder Road. Should the well remain out of service at 1007 Reder Road, MWH has proposed to sample well PW-T, located at 1043 Reder Road.

Upcoming Activities:

- ECI and MAL to begin installing the liner for the OFCA engineered cover.
- Ryan Construction to install heat transfer plates in tank T-2.
- MWH to issue contract for the ONCA SPBA interim cover construction.
- MWH to conduct the annual residential well and semi-annual groundwater sampling events in September.

Signature: Leigh Peters

Date: September 3, 2002

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Weekly Oversight Summary Report No. 75
ACS Superfund Site WA57, 46526.238

Reporting Period: Week of August 5, 2002

BVSPC O/S Dates: August 8, 2002

Personnel Summary Affiliation	No. of Personnel	Responsibility
Montgomery Watson Harza	4	Respondent's General Contractor
Black & Veatch Special Projects Corp.	1	USEPA Oversight Contractor
Austgen	1	Electrical Contractor
Simalabs	1	Compliance Sampling and Laboratory

Construction Activities

Major Activities:

- Austgen completed reconnecting the well control panel to extraction well EW-12.
- Montgomery Watson Harza proved out four of the remaining 10 Off-Site Containment Area in-situ soil vapor extraction wells.
- Simalabs collected the monthly compliance sample for the thermal oxidizer.
- Montgomery Watson Harza held the weekly construction coordination meeting.

Activities Performed:

Austgen completed the installation of the control panel for Off-Site Containment Area (OFCA) extraction well EW-12. Montgomery Watson Harza (MWH) operated the groundwater treatment plant (GWTP) at 45 gpm, pumping water from all available wells. MWH reported that there were shipping problems with the July compliance sample for the GWTP: the samples arrived at the laboratory several days late, exceeding the holding times for the samples and the required temperature. MWH reported that it collected a replacement compliance sample from the GWTP on August 8, 2002, for the July 2002 reporting period.

MWH reported that it was able to establish flow from four of the remaining 10 OFCA in-situ soil vapor extraction (ISVE) wells. MWH reported that it was able to measure flow from five of the six remaining wells; however, the flow was not sustained and diminished over the operating period. MWH reported that it is still unable to establish flow at SVE-03. MWH reported that it will begin operating other wells to evaluate whether the capacity of the ISVE system is sufficient for the OFCA. MWH also reported that it will operate the wells surrounding the unproductive wells in order to move any product away from the well screens for future operation.

MWH reported that Ryan Construction is scheduled to disassemble the OFCA ISVE scrubber next week in order to evaluate the cause of corrosion around the welds, bolts, and gaskets. Durr Environmental, Inc. may also be on-site to evaluate the deteriorated condition of the scrubber.

MWH reported that Environmental Contractors of Illinois (ECI) has postponed the OFCA engineered cover construction to either the week of August 19, 2002, or August 26, 2002.

MWH reported that the next groundwater sampling event is scheduled for the second week in September. MWH also reported that it will sample the residential wells during this event.

MWH held the weekly construction coordination meeting on August 8, 2002.

Topics of Concern:

- The residential well located at 1007 Reder Road could not be sampled during the annual residential well sampling event in October 2001 because the pump was not operating. This well is part of the long term monitoring program.

Concern Resolution:

- None to report.

Upcoming Activities:

- Ryan Construction to disassemble the OFCA ISVE system scrubber to evaluate the corrosion.
- ECI to begin OFCA engineered cover construction on August 19 or 26, 2002.
- MWH to install heat transfer plates in tank T-2 and insulate the sludge and aeration tanks.
- MWH to conduct the annual residential well and semi-annual groundwater sampling events in September.

Signature: Leigh Peters

Date: August 12, 2002

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**WEEKLY CONSTRUCTION MEETING AGENDA
FOR AUGUST 8, 2002 MEETING
AMERICAN CHEMICAL SERVICE, NPL SITE
GRIFFITH, INDIANA**

MEETING DATE: Thursday, August 8, 2002

MEETING TIME: 10:00

MEETING LOCATION: ACS Site – Site Trailer

TOPICS:

Health and Safety Summary (Lee or Tom)

GWTP Status (Lee)

- Current flow rate

Off-Site ISVE System (Chris or Tom)

- ISVE Well Test Out Process
- Off-Gas Sampling

Off-Site Final Cover (Tom or Ken – MEI)

- ECI Start Date

On-Site Interim Cover (Todd)

- Site Walk last week
- Begin Construction Activities

Looking Ahead

Week of...	Task
August 12	<ul style="list-style-type: none">• GWTP/SVE system operation••
August 19	<ul style="list-style-type: none">• GWTP/SVE system operation•

Next Weekly Construction Meeting

- Thursday, August 15, 2002

**WEEKLY CONSTRUCTION MEETING MINUTES
FOR AUGUST 8, 2002 MEETING
AMERICAN CHEMICAL SERVICE, NPL SITE
GRIFFITH, INDIANA**

MEETING DATE: Thursday, August 8, 2002

MEETING TIME: 10:00 AM

MEETING LOCATION: ACS Site - Site Trailer

ATTENDEES: Tom Tinics, MWH
Robert Adams, MWH
Chris Daly, MWH
Lee Orosz, MWH
Todd Lewis, MWH (via phone)
Travis Klingforth (via phone)
Kevin Adler, U.S. EPA (via phone)
Leigh Peters, BVSPC

TOPICS:

Health and Safety Summary

During the week of August 5, a worker from Simalabs was stung by a wasp as he was collecting a routine sample to monitor the process flow of the Activated Sludge Plant. An extermination company has since removed the wasp nest discovered near the Activated Sludge Plant. No other health and safety incidents have occurred since the last construction meeting on August 1.

Groundwater Treatment Plant (GWTP) Status

The GWTP is currently running at approximately 45 gallons per minute. Water is being brought in from all barrier wall extraction wells in operation except EW-12. EW-12 will be back on line following restoration of power to the well on August 8. The July 2002 monthly compliance sample, collected on July 30, arrived late to the laboratory due to a Federal Express shipping delay. Upon arrival, the samples were warm and unable to be analyzed to compliance purposes. MWH plans to resample the July 2002 sample on August 8.

In-Situ Vapor Extraction (ISVE) System - Off-Site Area

MWH has confirmed proper construction of all the ISVE wells. No construction issues were noted on any of the ten remaining wells, and all of the wells have functioned at one time or another. All of the extraction and conveyance piping in the OFCA and Kapica Pazmey Area's have been installed to meet the Final Remedial Design. As the initial operation of the system continues and the dewatering requirement is achieved, each well will be operated.

The eight-round effluent sampling regimen for the catalytic and thermal oxidizers was completed on July 25. Results will be included in the monthly status reports when data validation is completed. The first round of the monthly off-site sampling of the thermal oxidizer is scheduled to be conducted on August 8, in accordance with the Performance Standard Verification Plan (PSVP) sampling schedule. MWH is waiting for the final analytical results from the eight sampling rounds of the catalytic oxidizer to determine if additional sampling is necessary in accordance with the PSVP.

The ISVE system may be shut down during the week of August 12 or August 19 for maintenance to examine potential corrosion issues.

Off-Site Area Final Cover

Submittals from Environmental Contractors of Illinois (ECI) for constructing the Final Cover are currently being reviewed by MWH. Once finalized, MWH will distribute the submittals to the Agencies and Black & Veatch. Delivery of the flexible membrane liner to be installed by ECI has been delayed one to two weeks, pushing back ECI's anticipated start date to the week of August 19 or August 26.

On-Site Area Interim Cover

The Request for Bid for the On-Site-Area interim cover was distributed on July 26. Six bidders attended the site walk held on August 1. Bids will be due on August 21 and work is anticipated to begin in September or October. In addition, MWH will be installing fencing in the On-Site Area to separate the upcoming remediation activities from the ACS facility operation area.

Looking Ahead

Week of...	Task
August 12	<ul style="list-style-type: none">• GWTP and SVE system operation• Thermal Oxidizer/Scrubber maintenance (Tentative)• Construction Meeting on August 15• Distribution of ECI approved Work Plan, etc.
August 19	<ul style="list-style-type: none">• GWTP and SVE system operation• Anticipated Construction Start for Off-Site Area Final Cover• Construction Meeting on August 22
September	<ul style="list-style-type: none">• Groundwater Sampling Event and Residential Well Sampling• Distribution of RFB for On-Site Area ISVE Well Installation

Next Weekly Construction Meeting

- The next meeting is schedule for Thursday, August 15, 2002.

TMK/TAL/PIV/RAA

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Weekly Oversight Summary Report No. 76
ACS Superfund Site WA57, 46526.238

Reporting Period: Week of August 12, 2002

BVSPC O/S Dates: Cancelled because of limited site activities.

Personnel Summary Affiliation	No. of Personnel	Responsibility
Montgomery Watson Harza	2	Respondent's General Contractor
Black & Veatch Special Projects Corp.	0	USEPA Oversight Contractor

Construction Activities

Major Activities:

- Montgomery Watson Harza shut down the Off-Site Containment Area in-situ soil vapor extraction system.
- Montgomery Watson Harza cancelled the weekly construction coordination meeting because of the limited site activities.

Activities Performed:

Montgomery Watson Harza (MWH) shut down the Off-Site Containment Area (OFCA) in-situ soil vapor extraction (ISVE) system on August 16, 2002. MWH reported that Ryan Construction is scheduled to disassemble the scrubber on Monday, August 19, 2002, in order for MWH to assess the corrosion damage to the unit. MWH also reported that Durr Environmental, Inc. (Durr) is scheduled to be on site August 20, 2002, to inspect the damage sustained by the scrubber.

MWH reported that Environmental Contractors of Illinois (ECI) is expected to mobilize for the OFCA engineered cover construction on August 21, 2002.

MWH cancelled the weekly construction coordination meeting scheduled for August 15, 2002, because of the limited site activities.

Topics of Concern:

- The residential well located at 1007 Reder Road could not be sampled during the annual residential well sampling event in October 2001 because the pump was not operating. This well is part of the long term monitoring program.

Concern Resolution:

- MWH's letter *Proposed Residential Well Sampling Event, American Chemical Service NPL Site, Griffith, Indiana*, dated August 12, 2002, proposes that MWH attempt to sample the well located at 1007 Reder Road. Should the well remain out of

service at 1007 Reder Road, MWH has proposed to sample well PW-T, located at 1043 Reder Road.

Upcoming Activities:

- Ryan Construction to disassemble the OFCA ISVE system scrubber to evaluate the corrosion.
- Durr to evaluate the damage to the OFCA ISVE system scrubber.
- ECI to begin OFCA engineered cover construction on August 21, 2002.
- MWH to install heat transfer plates in tank T-2 and insulate the sludge and equalization tanks.
- MWH to conduct the annual residential well and semi-annual groundwater sampling events in September.

Signature: Leigh Peters

Date: August 22, 2002

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Weekly Oversight Summary Report No. 77
ACS Superfund Site WA57, 46526.238

Reporting Period: Week of August 19, 2002

BVSPC O/S Dates: August 20 and 22, 2002

Personnel Summary Affiliation	No. of Personnel	Responsibility
Montgomery Watson Harza	7	Respondent's General Contractor
Black & Veatch Special Projects Corp.	1	USEPA Oversight Contractor
Durr Environmental, Inc.	2	OFCA ISVE Thermal Oxidizer and Scrubber Manufacturer
Ryan Construction	2	General Contractor
Environmental Contractors of Illinois	5	OFCA Engineered Cover Contractor

Construction Activities

Major Activities:

- Ryan Construction disassembled the Off-Site Containment Area in-situ soil vapor extraction system scrubber.
- Montgomery Watson Harza held a kick-off meeting for the Off-Site Containment Area engineered cover.
- Environmental Contractors of Illinois mobilized to the site to begin work on the Off-Site Containment Area engineered cover.
- Montgomery Watson Harza held the weekly construction coordination meeting.

Activities Performed:

Ryan Construction disassembled the Off-Site Containment Area (OFCA) in-situ soil vapor extraction (ISVE) system scrubber on Monday, August 19, 2002. Ryan Construction removed the ducting that connects the thermal oxidizer to the scrubber. Montgomery Watson Harza (MWH) inspected the duct work and observed that the flanges were corroded. Durr Environmental, Inc. (Durr) returned to the site on August 20, 2002, in order to inspect the scrubber duct work. MWH stated that the specifications for the unit required using Hastelloy, an alloy resistant to the high heat and acidic pH of the system, for the duct work. After observing the corrosion on the flanges, MWH hypothesized that the flanges were not made from Hastelloy, but 316 stainless steel. Durr reported that it would check its manufacturing records and evaluate whether the flanges were fabricated from Hastelloy or stainless steel.

In addition to the corrosion on the flanges for the duct work, the nozzle on the primary spray bar for the scrubber and the thermocouple were completely corroded. MWH also observed that the packing material

in the scrubber was also being corroded by the acidic environment. MWH reported that it was likely that the packing was fabricated from 316 stainless steel. Small pieces of the packing were observed in the scrubber sump and had been circulated through the recirculation line. Several small shards of the packing were lodged in the recirculation pump. MWH reported that it would have the pump repaired.

MWH continued to coordinate with Durr to determine how to repair the system. Potential upgrades to the scrubber include lining the duct work in ceramic and using a ceramic packing material. MWH is evaluating these options for the system.

Ryan Construction began installing the heat exchanger piping from the scrubber reservoir to tank T-2. MWH reported that the groundwater treatment plant operated at 45 gpm. MWH also reported that the GWTP plant was not operating on August 19, 2002, because the catalytic oxidizer was being repaired. MWH reported that Momper Insulation is scheduled to begin insulating the activated sludge tank and aeration tank on August 26, 2002.

Environmental Contractors of Illinois (ECI) mobilized for the OFCA engineered cover construction on August 21, 2002. MWH held a Health and Safety/Construction Kick-off Meeting with ECI on Thursday, August 22, 2002. During the kick-off meeting, ECI reported that it did not know whether the lining installation subcontractor, Mid-America Lining (MAL), was 40-hour trained. MWH reported that if MAL personnel were not trained, that they would not be allowed near the anchor trenches where the potential for exposure to buried debris exists. ECI reported that MAL is scheduled to mobilize to the site next week. ECI also reported that it will begin preparing the subgrade for the liner installation this week.

MWH reported that it received the bids for the On-Site Containment Area (ONCA) Still Bottoms Pond Area (SBPA) interim cover construction. MWH reported that it expected the construction of the ONCA SBPA interim cover to begin during the week of September 9, 2002. MWH also reported that it is negotiating the ONCA ISVE well installation with Boart-Longyear. Security Fence is scheduled to be on-site next week to install temporary fencing around the work zone area on the ONCA.

MWH held the weekly construction coordination meeting on August 22, 2002.

Topics of Concern:

- ECI did not know whether the MAL personnel are 40-hour trained.
- The residential well located at 1007 Reder Road could not be sampled during the annual residential well sampling event in October 2001 because the pump was not operating. This well is part of the long term monitoring program.

Concern Resolution:

- MWH's letter *Proposed Residential Well Sampling Event, American Chemical Service NPL Site, Griffith, Indiana*, dated August 12, 2002, proposes that MWH attempt to sample the well located at 1007 Reder Road. Should the well remain out of service at 1007 Reder Road, MWH has proposed to sample well PW-T, located at 1043 Reder Road.

Upcoming Activities:

- ECI to prepare the subgrade for OFCA engineered cover construction and confirm whether MAL personnel are 40-hour trained.
- Ryan Construction to install heat transfer plates in tank T-2.
- Momper Insulation scheduled to insulate the activated sludge tank and aeration tank on August 26, 2002.
- MWH to issue contract for the ONCA SPBA interim cover construction.
- MWH to conduct the annual residential well and semi-annual groundwater sampling events in September.

Signature: Leigh Peters

Date: August 28, 2002

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**WEEKLY CONSTRUCTION MEETING AGENDA
FOR AUGUST 22, 2002 MEETING
AMERICAN CHEMICAL SERVICE, NPL SITE
GRIFFITH, INDIANA**

MEETING DATE: Thursday, August 22, 2002

MEETING TIME: 10:00 am

MEETING LOCATION: ACS Site – Site Trailer

TOPICS:

Health and Safety Summary (Lee or Tom)

GWTP Status (Lee)

- Current flow rate

Off-Site ISVE System (Chris or Tom)

- ISVE Well Test Out Process
- Off-Gas Sampling

Off-Site Final Cover (Todd/ECI)

- ECI Start Date
- Summary

On-Site Interim Cover (Todd)

- Construction Activities – summary/estimated start date

Looking Ahead

Week of...	Task
August 26	<ul style="list-style-type: none">• GWTP/SVE system operation••
September 2	<ul style="list-style-type: none">• GWTP/SVE system operation•

Next Weekly Construction Meeting

- Thursday, August 29, 2002

Name	Company	Fax Number
Leigh Peters	BusPC	312-346-4781
Jon Pohl	MWH	630-836-894459
Rob Adams	MWH	630-836-8959
Nivek Agrawal	MWH	630-836-8959
Todd Lewis	MWH	" " "
Travis Klingforth	MWH	630-836-8959
Tom Tivics	MWH	
Peter Vagt	(via phone)	

**WEEKLY CONSTRUCTION MEETING AGENDA
FOR AUGUST 22, 2002 MEETING
AMERICAN CHEMICAL SERVICE, NPL SITE
GRIFFITH, INDIANA**

MEETING DATE: August 22, 2002

MEETING TIME: 10:00 AM

MEETING LOCATION: ACS Site – Site Trailer

ATTENDEES: Todd Lewis – MWH
Travis Klingforth – MWH
Tom Tinics - MWH
Rob Adams – MWH
Jon Pohl – MWH
Vivek Agrawal – MWH
Peter Vagt – MWH (via phone)
Leigh Peters – BVSPC

TOPICS:

Health and Safety Summary

No health and safety incidences have occurred since the last meeting. Guardian Pest Control has removed additional wasp and/or bee nests in the past week from the Site.

Groundwater Treatment Plant (GWTP) Status

Total flow through the GWTP is approximately 45 gallons per minute (gpm). The GWTP was down on August 19 while the catalytic oxidizer unit was repaired. Ryan Construction began installing piping for a heat exchanger pump system in tank T-2 to receive heated brine from the thermal oxidizer scrubber.

Momper Insulation is scheduled to begin insulating the activated sludge plant the week of August 26, 2002.

In-Situ Vapor Extraction (ISVE) System – Off-Site Area

The thermal oxidizer unit was dismantled during the week of August 19. Corrosion was observed inside, particularly on the quench nozzle. Durr Engineering is reviewing their fabrication records to determine what may have caused the corrosion. Plans to repair the unit are being made based on the results of the inspection.

Off-Site Area Final Engineered Cover

Environmental Contractors of Illinois (ECI), the subcontractor selected to install the Off-Site Area final engineered cover, mobilized to the Site beginning August 21. A kickoff

health and safety and construction meeting is scheduled for August 22. Site preparation activities will begin following the meeting. The work is expected to be completed in October.

On-Site Area Interim Engineered Cover

Three bids have been received for the installation of the On-Site Area Interim Engineered Cover to date. MWH will review the bids and select the bidder to perform the work. Work is anticipated to begin the week of September 9, 2002.

MWH will be installing temporary fencing around the work area for this task during the week of August 26, 2002.

On-Site Area ISVE System

Bids have also been received for the installation of an additional thermal oxidizer unit for the On-Site Area ISVE system. MWH is reviewing these bids.

Boart Longyear is expected to install the ISVE wells in the On-Site Area, using the same pricing structure for the Off-Site Area ISVE well installation. A final scope document will be prepared to define the work activities.

Looking Ahead

- | | |
|---------------------------|--|
| Week of August 26, 2002 | - Installation of Temporary Fencing in On-Site Area |
| | - Site Preparation for Installation of Off-Site Area Final Cover |
| | - Insulation of Activated Sludge Plant |
| | - Thermal Oxidizer/Scrubber system repair |
| Week of September 2, 2002 | - Installation of Off-Site Area Final Cover |

Next Weekly Construction Meeting

- Thursday, August 29, 2002

TMK/TAL/RAA

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**OFF-SITE FINAL COVER
CONSTRUCTION AND HEALTH AND SAFETY
KICK-OFF MEETING AGENDA
AUGUST 22, 2002
AMERICAN CHEMICAL SERVICE, NPL SITE
GRIFFITH, INDIANA**

MEETING DATE: August 22, 2002

MEETING TIME: 10:30 AM

MEETING LOCATION: ACS Site – Site Trailer

TOPICS:

Project Overview (Todd Lewis)

- Purpose
- Contact Names

Health and Safety (Lee Orosz/Tom Tinics)

- Site Access
- Site-specific hazards
- Heat Stress
- Heavy Equipment Operation
- Personal Protective Equipment (PPE)
- Emergency/Contingency Plan
- Underground Electrical Service
- Daily Toolbox Safety Meetings
- Weekly Site Safety Meetings (Safety Incentive Program)

Task Overview (Todd Lewis)

- Mobilization
- Site/Surface Preparation and Quality Control/Quality Assurance (QC/QA)
- Liner Installation & QC/QA (including well booting)
- Root zone installation & compaction/moisture testing
- Topsoil installation & compaction/moisture testing
- Hydro-seeding
- Road Installation
- Decontamination/Demobilization
- Weekly Construction Meetings (Thursdays at 10am)

Schedule (ECI)

- Start date
- Estimated completion date
- Labor force (estimated numbers)
- Equipment usage

**SIGN IN SHEET
OFF-SITE FINAL COVER
CONSTRUCTION AND HEALTH AND SAFETY KICK-OFF MEETING
AUGUST 22, 2002**

Name	Company	Fax Number
<u>TODD LEWIS</u>	<u>MWH</u>	<u>630 836 8959</u>
<u>Leigh Peters</u>	<u>BVSPC</u>	<u>312-346-4781</u>
<u>TOM TINKS</u>	<u>MWH</u>	
<u>Jon Pohl</u>	<u>MWH</u>	<u>630 836-8959</u>
<u>ROB ADAMS</u>	<u>MWH</u>	<u>630 836-8959</u>
<u>NIVEK NGRAWAL</u>	<u>MWH</u>	<u>630 836-8959</u>
<u>RANDY PRICE</u>	<u>ECI</u>	<u>815.636.4304</u>
<u>STEVEN LOYD</u>	<u>ECI</u>	
<u>HARRY R PAGE JR</u>	<u>ECI</u>	
<u>MIKE MEDEARIS</u>	<u>ECI</u>	
<u>Steve Palmer</u>	<u>ECI</u>	<u>815 654 4726</u>

Weekly Oversight Summary Report No. 78
ACS Superfund Site WA57, 46526.238

Reporting Period: Week of August 26, 2002

BVSPC O/S Dates: August 27 and 29, 2002

Personnel Summary Affiliation	No. of Personnel	Responsibility
Montgomery Watson Harza	7	Respondent's General Contractor
Black & Veatch Special Projects Corp.	1	USEPA Oversight Contractor
Environmental Contractors of Illinois	5	OFCA Engineered Cover Contractor
DG Surveyors	2	Surveying Subcontractor
Momper Insulation	3	Insulation Contractor
Guardian Pest Control	2	Exterminator
Security Fence	2	Fencing Contractor

Construction Activities

Major Activities:

- Environmental Contractors of Illinois prepared the subgrade for the Off-Site Containment Area engineered cover.
- Momper Insulation insulated the activated sludge tank and the aeration tank.
- Security Fence began installing temporary fencing to delineate the work zone for the On-Site Containment Area interim cover.
- Montgomery Watson Harza held the weekly construction coordination meeting.

Activities Performed:

Black & Veatch Special Projects Corp. (BVSPC) observed Environmental Contractors of Illinois (ECI) prepare the Off-Site Containment Area (OFCA) for the installation of the engineered cover. ECI removed the weeds, erosion matting, and temporary gravel road from the OFCA. ECI also filled the area around the blower shed with the fill material excavated from the wetland pond. DG Surveyors, subcontracted by ECI, finished marking the extent of the FML liner on Wednesday, August 28, 2002.

ECI received the FML liner on Thursday, August 29, 2002. Mid-America Lining (MAL), lining installation subcontractor for ECI, is scheduled to mobilize to the site on September 3, 2002. ECI confirmed that MAL personnel are 40-hour trained and would provide the appropriate documentation. BVSPC observed Montgomery Watson Harza (MWH) inspect the lining for the OFCA cover. ECI reported that it expected the installation of the lining to take approximately 7 days.

MWH reported that Security Fence began installing the temporary fencing on the On-Site Containment Area, around the work zone for the Still Bottoms Pond Area (SBPA) interim cover construction. MWH reported that it would likely select Hard Hat as the contractor for the SBPA interim cover construction and that work is scheduled to start on September 9, 2002. MWH also reported that Boart-Longyear will be the ONCA in-situ soil vapor extraction (ISVE) and dual phase extraction well installation contractor.

MWH reported that Durr Environmental, Inc. confirmed that the flanges for the duct work to the OFCA ISVE scrubber were made out of stainless steel and were more susceptible to the corrosive environment of the system. MWH shipped the ducting off-site to have replacement flanges made out of the more resistant Hastelloy. MWH also reported that it will likely use a ceramic packing instead of stainless steel. MWH anticipated that the repair work will take three to four weeks to complete. In order to operate the OFCA ISVE system as soon as possible, MWH reported that it is investigating a temporary plastic packing for the scrubber to be used until the ceramic packing is available.

Momper Insulation insulated the activated sludge tank and the aeration tank using a urethane foam insulation. MWH reported that the groundwater treatment plant was operating at 45 gpm, pumping from all possible wells. MWH also reported that it replaced the pump in OFCA extraction well EW-19, which was out of service for the majority of the reporting period.

MWH held the weekly construction coordination meeting on August 22, 2002.

Topics of Concern:

- ECI did not know whether the MAL personnel are 40-hour trained.
- The residential well located at 1007 Reder Road could not be sampled during the annual residential well sampling event in October 2001 because the pump was not operating. This well is part of the long term monitoring program.

Concern Resolution:

- ECI verified that the MAL personnel are 40-hour trained and will have the documentation at the site by Tuesday, September 3, 2002.
- MWH's letter *Proposed Residential Well Sampling Event, American Chemical Service NPL Site, Griffith, Indiana*, dated August 12, 2002, proposes that MWH attempt to sample the well located at 1007 Reder Road. Should the well remain out of service at 1007 Reder Road, MWH has proposed to sample well PW-T, located at 1043 Reder Road.

Upcoming Activities:

- ECI and MAL to begin installing the liner for the OFCA engineered cover.
- Ryan Construction to install heat transfer plates in tank T-2.
- MWH to issue contract for the ONCA SPBA interim cover construction.
- MWH to conduct the annual residential well and semi-annual groundwater sampling events in September.

Signature: Leigh Peters

Date: September 3, 2002

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**WEEKLY CONSTRUCTION MEETING AGENDA
FOR AUGUST 29, 2002 MEETING
AMERICAN CHEMICAL SERVICE, NPL SITE
GRIFFITH, INDIANA**

MEETING DATE: Thursday, August 29, 2002

MEETING TIME: 10:00 am

MEETING LOCATION: ACS Site – Site Trailer

TOPICS:

Health and Safety Summary (Lee or Tom)

GWTP Status (Lee)

- Current flow rate
- Bio Tank heating system.
- Insulation

Off-Site ISVE System (Chris or Tom)

- Inspections completed
- Repairs of unit.

Off-Site Final Cover (Todd/ECI)

- ECI Start Date
- Schedule for next two weeks.
- Summary

On-Site Interim Cover (Todd)

- Construction Activities – summary/estimated start date
- Fence installation begins today.
- Hard Hat Services expected to complete the work.
- Target start date is 9/9/02.

Looking Ahead

Week of...	Task
September 2	<ul style="list-style-type: none">• GWTP system operation• Off-Site liner placement.
September 9	<ul style="list-style-type: none">• Hard Hat Services mobilize

Next Weekly Construction Meeting

- Thursday, September 5, 2002

Name	Company	Fax Number
DARYL STREED	ECI	815-636-4304
RANDY PRICE	ECI	815.636.4304
Travis Klingford	MWH	
Chris Daly	MWH	(via phone)
Kevin Adler	USEPA	(via phone)

29

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**WEEKLY CONSTRUCTION MEETING MINUTES
FOR AUGUST 29, 2002 MEETING
AMERICAN CHEMICAL SERVICE, NPL SITE
GRIFFITH, INDIANA**

MEETING DATE: August 29, 2002

MEETING TIME: 10:00 AM

MEETING LOCATION: ACS Site – Site Trailer

ATTENDEES: Todd Lewis – MWH
Travis Klingforth – MWH
Tom Tinics – MWH
Rob Adams – MWH
Jon Pohl – MWH
Lee Orosz – MWH
Chris Daly – MWH (via phone)
Kevin Adler – U.S. EPA (via phone)
Leigh Peters – BVSPC
Daryl Streed – ECI
Randy Price – ECI
Steve Palmer – ECI

TOPICS:

Health and Safety Summary

No health and safety incidents have occurred since the last meeting. Guardian Pest Control has again removed additional wasp and/or bee nests in the past week from the Site.

Groundwater Treatment Plant (GWTP) Status

Total flow through the GWTP is approximately 45 gallons per minute (gpm). Ryan Construction continued installing piping for a heat exchanger pump system in tank T-2 to receive heated blowdown water from the thermal oxidizer scrubber. Parts required for the heat exchanger system have been ordered.

The pump in extraction well EW-19 was replaced during the week of August 26.

Momper Insulation began insulating the activated sludge plant and aeration tank on August 26. Expected complete date for the insulation process is August 30, 2002.

In-Situ Vapor Extraction (ISVE) System – Off-Site Area

The thermal oxidizer scrubber unit was dismantled during the week of August 19 in response to symptoms of possible corrosion. Corrosion was observed inside, particularly

on the quench nozzle. The packing material inside the unit was degraded and has been removed. Durr Engineering is reviewing their fabrication records to determine what may have caused the corrosion. Some parts of the unit are being repaired at the fabricator's during the week of August 26. The unit will be rebuilt once the repairs have been made, and the system brought back on line as soon as possible. The schedule for restarting the unit will be set after all orders for repairs and parts are made.

Off-Site Area Final Engineered Cover

Environmental Contractors of Illinois (ECI), the subcontractor selected to install the Off-Site Area final engineered cover, mobilized to the Site beginning August 21. A kickoff health and safety and construction meeting was held August 22. ECI has begun to prepare the clay surface for liner installation by removing the erosion matting as well as weeds and rocks that might puncture the liner. Liner material began to arrive on site on August 29. ECI will construct and analyze the test pad and begin digging the anchor trench during the week of September 2.

Mid-America Lining is scheduled to mobilize on September 3 and begin installing liner later in the week. Duneland Surveyors have documented the existing contours of the liner area and delineated the liner extents.

On-Site Area Interim Engineered Cover

Hard Hat Services have been recommended to install the On-Site Area Interim Engineered Cover. A contract is expected to be signed during the week of August 26. Work is scheduled to begin the week of September 9, 2002.

Security Fencing began installing temporary fencing around the work area for this task on August 29. They will complete the task during the week of September 2.

On-Site Area ISVE System

Bids have also been received for the installation of an additional thermal oxidizer unit for the On-Site Area ISVE system. MWH is reviewing the bids that have been received.

Boart Longyear is expected to install the ISVE wells in the On-Site Area. A final scope document will be prepared to finalize the work activities and submitted to the U.S. EPA for information purposes.

Groundwater Monitoring

MWH will be conducting the September 2002 groundwater monitoring event during the week of September 9. The annual residential well sampling will take place also during the same week.

Looking Ahead

Week of September 2 , 2002	<ul style="list-style-type: none"> • Completion of Installation of Temporary Fencing in On-Site Area • Site Preparation for Installation of Off-Site Area Final Cover • Mid-America begins to install liner in Off-Site Area • Thermal Oxidizer/Scrubber system repair
Week of September 9, 2002	<ul style="list-style-type: none"> • Hard Hat mobilizes for installation of On-Site Area Interim Cover • Groundwater Monitoring • Private Well Sampling

Next Weekly Construction Meeting

- Thursday, September 5, 2002

TMK/TAL/RAA/PJV

J:\209\0601 ACS\0202 MWA PMMeeting Minutes 2002\Meeting Minutes 08-29-02.doc

(120)

8/8/02

J. E. Peters

0730

Arrive on-site, 65°, clear, breeze from SE

Personnel Present:

* L. Orosz MNH

* Leigh Peters BUSPC

Spoke with L. Orosz. He reported no site activities this week: Ryan construction to be out next week to disassemble scrubber and investigate cause of corrosion. Lee also reported that MNH has not finalized work order for insulating tanks, expect in next few weeks.

0750

Reviewed site documents. Discussed additional comments with MNH.

0830

Spoke with T. Thies, C. Daly and R. Adams about OFA/ISVE system. 9-nm-performing wells were producing flow immediately after clearing, but flow is reducing. MNH reported that it still can't get flow from SVE-3. MNH to look at operating surrounding wells to pull material away from wells. MNH also reported that Ryan to come out and inspect corrosion - MNH suspects welds, bolts and gaskets corroding, not the steel. Ryan also to come out and inspect the equipment.

1000

Weekly Construction Meeting

J. E. Peters

8/8/02

J. E. Peters

(121)

Attendees - * as previous plus:

Tom Thies MNH

Chris Daly MNH

Rob Adams MNH

Kevin Adler EPA (via phone)

Todd Lewis MNH (via phone)

Travis Klingworth MNH (via phone)

H/S: Extinguishers out last week. One person stung by bee. MNH to continue control.

SWTP: 45 gpm. Austgen completing EW-12.

July compliance sample delayed by shipping.

Arrived at lab past holding time and at elevated temperature. MNH to collect replacement compliance sample today.

ISVE: System operational. Poured out 4 of 10 wells. MNH established flow from all wells but not able to sustain flow to MNH to operate perimeter wells and begin evaluating system size. Sampling off-gas today for monthly sample. gw elev 627 +/- 0.5 ft. MNH to sample BTV value of influent for potential energy reclamations.

OFA: EOI delayed to 8/19 or 8/26. to have final plans next week.

ONGA: Bids due 8/21. MNH to install

J. E. Peters

(124)

8/20/02

Jeff Peters

bar located before scrubber. nozzle is completely corroded away.
Roll 25 Photos 12 facing north at flange to scrubber and corrosion at weld, significant buildup at flange. Earlier Todd Lewis reported that he believes buildup from the pH problems earlier.

0830 Roll 25 Photo 13 facing northwest at ground at failed weld at Hastalloy.

Tom Tines reported that Dave to be on-site at 10 AM. Mompex Insulation scheduled for 8/26 to insulate bio tank and equalization tank.

0640 Reviewed ECI's submittals for OFCA cover

1000 Returned to GWTP to observe Ryan connect piping and MWH to inspect scrubber.

1020 Continued review of ECI's HASP. Mentioned to Chris Daly that several HAS certificates were missing for ECI's "Key Personnel".

1120 Brian Brown at Dave on-site inspecting scrubber and noted significant amount of solids in scrubber to inspect and evaluate vapor stream since MWH does not have analyticals on brine scrubber packing.

1200 Dissolved in pump locked up.
Left site Friday

Jeff Peters

(125)

8/22/02

Jeff Peters

0745 Arrive on site, cloudy night rain, heavy storms forecasted.

Personnel Present:

Lee Orose	MWH
Steve Palmer	ECI
Mike Wiedeman	ECI
Jerry Clark	Ryan
* Tom Tines	MWH
* Leigh Peltier	BVSMC
* Travis Klingforth	MWH

0800 Spoke with Tom Tines regarding site activities.

Dave to look into material at flanges, no metal samples collected. Packing removed from scrubber, top portion was caked with material, as packed towards sump, packing deteriorated and in pieces. All packing removed by MWH, MWH evaluating packing material. Recirculation pump damaged by pieces of packing. MWH also reported that ECI mobilized its trailer yesterday to the OFCA.

0830 Spoke with Rob Adams + Travis Klingforth regarding comments to ECI's submittal. MWH reported that 1,1-dichloroethene tubes are same to Dräger for vinyl chloride. MWH also reported that it will have ECI follow

Jeff Peters

(126)

8/22/02

J. E. Peters

more restrictive PID monitoring.

0910 Went to GWTP to look at scrubber. Packing removed, material built up on packing other pieces have been deformed.

0915 Roll 25 Photo 14 firing down looking at packing removed from the scrubber.

0920 Returned to trailer and observed while MWH discussed scrubber - possibility of using ceramics for packing and/or lining the ductwork.

1000 Weekly construction meeting.

Attendees - * on previous plus

Vivek Agrawal MWH

Travis Klingforth MWH

Jon Pohl MWH

Rob Adams MWH

Todd Lewis MWH

Peter Vagt MWH (via phone)

H+S: No incidents, continue to have exterminators

GWTP: operating at 45 gpm, down this week for a day because of power surges affecting CATOX. Ryan installing piping and pump for heat exchanger. Manpower out on trees ^{to} Monday to insulate tanks

J. E. Peters

(127)

8/22/02

J. E. Peters

DECA ISVE: Unit report, Durr out on Tuesday to inspect corrosion, primary quench nozzle corroded away. MWH and Durr working on repairs. MWH received all Bunker of compliance sampling - 99.99% destruction efficiency. Replaced magnetolites and capsules that were previously flooded with condensate.

DECA ISVE: MWH received bids for thermox, working with BSA for drilling.

ONEA Cap: Received bids to install fencing next Wednesday. Plan Cap construction 9/9/02.

DECA: ECI mobilized to site. Begin work today. H+S and Kick off meeting this morning. MWH to coordinate and make sure all submitted from ECI.

Look Ahead: GWTP operation, DECA construction and tank insulation.

1030 Mtg Adjourn, Next Meeting 8/29/02 @ 10AM

1040 Kick off meeting with ECI

Attendees - All from weekly meeting except P. Vagt

plus Randy Price - ECI Lee Orosz MWH

Steven Lloyd ECI

Henry Pagnick ECI

Mike McDevitt ECI

Steve Palmer ECI

J. E. Peters

(128)

8/22/02

J. E. P. S.

Discussed H&S issues at site and ECI's construction plans. MNH waiting for documentation on fill materials. Also, MNH to coordinate with ECI regarding H&S costs. Liner to arrive next week, liner crew to arrive at end of week. Concern was raised with whether Mer crew is 40-hr trained - some misunderstanding as to whether they are. MNH thought they were, ECI unsure, COAP reserves list 40-hr training. MNH to address discrepancies.

1200 Meeting concluded. Finished discussing BRCA cover construction with MNH

1240 Left site for Day

~~J. E. P. S.~~
8/22/02

8/27/02

J. E. P. S.

(129)

0700 Arrive on-site, clock 74°F, no wind

Personnel Present:

Lee Orsz	MNH
Travis Klingforth	MNH
Steve Palmer	ECI
Bob Page	ECI
Steven Lloyd	ECI
Mike Modemus	ECI
Large Pate's	B V SDC

Spoke with L. Orsz, he reported BWP running Kopper insulation out yesterday, to return today and complete insulating tanks by Thursday

0715 Kopper on-site, observed that the sludge tank has some insulation

0720 Roll 05 photo 15 facing southeast of sludge tank and stand of insulation.

0730 Went to OFCA and spoke with T. Klingforth regarding ECI's activities. He reported that ECI is removing erosion mat and weeds, performing macro prep of clay cover. ECI to perform micro prep (removing rocks) immediately before liner crew. ECI's supervisors to be on-site today to mark anchor trench. Austgen has delineated location of utilities. Liner to arrive tomorrow and liner crew to be

J. E. P. S.

(130)

8/27/02

Jef E. Peters

on-site 9/13/02.

0800 Spoke with Steve Palmer. He reported that ECI to collect samples from root zone material tomorrow. MWH indicated that sampling must be complete before bringing material on-site. ECI to begin excavating trench on Friday. Also to start test fill area end of week.

0810 Roll 25 Photo 16 facing west of ECI moving removed erosion matting from cover

0820 Returned to ~~ENR~~ trailer to observe insulation process. Mompex still prepping for work.

0830 Returned to OFCA and observed ECI piping the surface.

0845 Roll 25 Photo 17 facing north showing ECI removing weeds at southeast corner of OFCA near stake 1.

0910 ECI reported surveys to be on-site. ECI to remove gravel at blower shed and All low spot near SVE-11 with clay from Austgen.

0940 Spoke with T. Tines regarding site activities. Observed Mompex insulation

1000 Roll 25 Photo 18 facing southwest of Mompex insulating bio tank.

Jef E. Peters

(131)

8/27/02

Jef E. Peters

Continued to observe Mompex insulate bio tank and tape off piping for protection. Mompex tied off for work.

1030 Roll 25 Photo 19 facing southwest of Mompex insulating bio tank.

1040 Return to OFCA. ECI's Surveyors on-site to stake anchor trends. Guardian Pest control also on site. ECI continued to prep cap and mix gravel from blower shed.

1110 Roll 25 Photo 20 facing south of ECI removing geotextile from gravel around blower shed.

1200 Left site for lunch

1230 Return to site. Spoke with Larry Campbell regarding site activities. Worked on weekly reports. Earlier when speaking with T. Tines, he reported that the scrubber flanges made of stainless steel. MWH sanding ducting to be made of Hastelloy flanges. Scrubber packing to be made of ceramic. T. Tines reported that he expected the scrubber to be on-line in 3-4 weeks.

1400 ~~1300~~

Roll 25 Photo 21 facing southeast of Mompex insulating

1415 ~~1315~~ piping epoxy, calum and paint in insulation

1430 ~~1330~~ Observed ECI place fill around blower shed for grading

1450 ~~1350~~ Roll 25 Photo 22 facing west of ECI backfilling at shed

1450 ~~1350~~ Left site for day

Jef E. Peters

(132)

8/29/02

J. J. P. P.

0715 Arrive On-site, Clear, 75°F

Personnel Present:

* LEE Dross	MNH
Bob Page	ECI
* Steve Palmer	ECI
Steven Lloyd	ECI
Mike Medeiros	ECI
* Travis Klingforth	MNH
Neal Merrill	Manager
Nathan Rogers	Manager
Rich Webster	Manager
* Todd Lewis	MNH
* Lugh Patten	BUSPC

0730 Went to OFCA, spoke with Travis Klingforth regarding ECI activities. He reported liner to be delivered today. Austgen to deliver clay to fill in low spots. DE finished surveying extent of FML, ECI removing the topsoil from eastern portion. ECI began placing sand around wells, to compact on Tuesday. S. Palmer of ECI reported that it collected samples from borrow sources and stockpile of root zone material for geotechnical and chemical analysis. T. Klingforth reported that MAZ liner crew is 40-hr trained

J. J. P. P.

(133)

8/29/02

J. J. P. P.

ECI to bring certifications to site. ECI to do test pad on Tuesday.

0830 Roll 25 Photo 23 facing south of ECI removing topsoil from edge of FML liner area.

0845 Spoke with T. Trinis. He reported security fence on-site today to install fence on ONCA SPBA. Observed Monper start insulating aeration tank. Completed insulating activated sludge tank.

Todd Lewis reported that the scrubber ducting was shipped out this morning for replacement of flanges with Hastelloy. MNH working with Durr - trying to figure out packing material. MNH hopes to get back on line next week, but packing will be the hold up. T. Lewis also reported that MNH has 900 mg with ECI to review outstanding issues and requested that BUSPC not sit in on mtg.

0915 Worked on reports.

1000 Weekly Construction Meeting

Attendees - * on previous plus

Jon Pohl MNH

Rob Adams MNH

Tom Trinis MNH

Dan / Strickland ECI

Randy Price ECI

J. J. P. P.

(134)

8/28/02 Jeff G. Peltz

Kevin Adler EPA (via phone)

Chris Daly MWH (via phone)

H+S: no incidents, exterminators on-site 2x this week. MAL to be on-site Tuesday - will have H+S mtg. MWH to resume weekly H+S mtgs next wk. GWIP: op at 45 gpm. no problems. EW-19 not operating this month, MWH observed oil. Mopper to complete insulating this week. Ryan to install heat exchanger v/a 6 weeks.

DECAISVE: system down and disassembled. Flanges off site for fabrication, 1-2 weeks. MWH looking at new packing.

DECA COVER: start test pad Tuesday, bring in materials 9/6 or 9/16. MAL on-site trucking.

liner placement to start 9/15. completed subgrade preparation this week.

DNCA: Anticipate contract with H&H start and work to start 9/9. Security fence installing. fencing to be complete next week. BLA to install wells - MWH finalizing. MWH received 4-bids for ISVE. MWH looking at changing yard piping configuration.

→ GW Sampling 9/9, DECA cover installation

DNCA contractor to mobilize.

1030 Mtg adjourn. Next meeting 9/15

(135)

8/29/02 Jeff G. Peltz

1040 Observed mopper insulate aeration tank

Roll 25 Photo 24 facing south of mopper insulating aeration tank.

1050 Went to DECA MWH inspecting 12 rolls of Poly flex liner against specs of shipment ECI continuing to prepare subgrade.

1105 Roll 25 Photo 25 facing southwest of MWH inspecting liner.

1130 Spoke with R. Adams, he reported that majority of DECA extraction wells are dry. MWH pumping from 15, 16, and 12. MWH measuring water levels in well field and expect to have better readings with DECA ISVE down. R. Adams indicated that MWH may resume DECA ISVE with temporary packing. ECI to continue subgrade prep and to begin removing debris from cover.

1200 Left Site for day

Jeff G. Peltz
8/29/02



Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 25 Photo #1

Date: 07-25-02 Time: 09:50

Photographer: Leigh Peters

Description: Photo facing north showing Eagle Services inserting jet into OFCA ISVE well SVE-07 for cleaning. Note stockpiles of clay in background removed from OFCA cover.



Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 25 Photo #2

Date: 07-25-02 Time: 11:20

Photographer: Leigh Peters

Description: Photo facing north showing Eagle Services jetting and vacuuming OFCA ISVE well SVE-03. Note stockpiles of clay in background removed from OFCA cover.



Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 25 Photo #3

Date: 07-25-02 Time: 11:55

Photographer: Leigh Peters

Description: Photo facing west showing the firepond area after MEI completed relocating the PCB-impacted sediments to the OFCA.

Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 25 Photo #4

Date: 07-30-02 Time: 08:00

Photographer: Leigh Peters

Description: Photo facing northeast showing MEI rolling the eastern portion of the OFCA with a vibratory smooth drum roller. Note low portion near SVE wells.



Site: American Chemical Services, Inc.

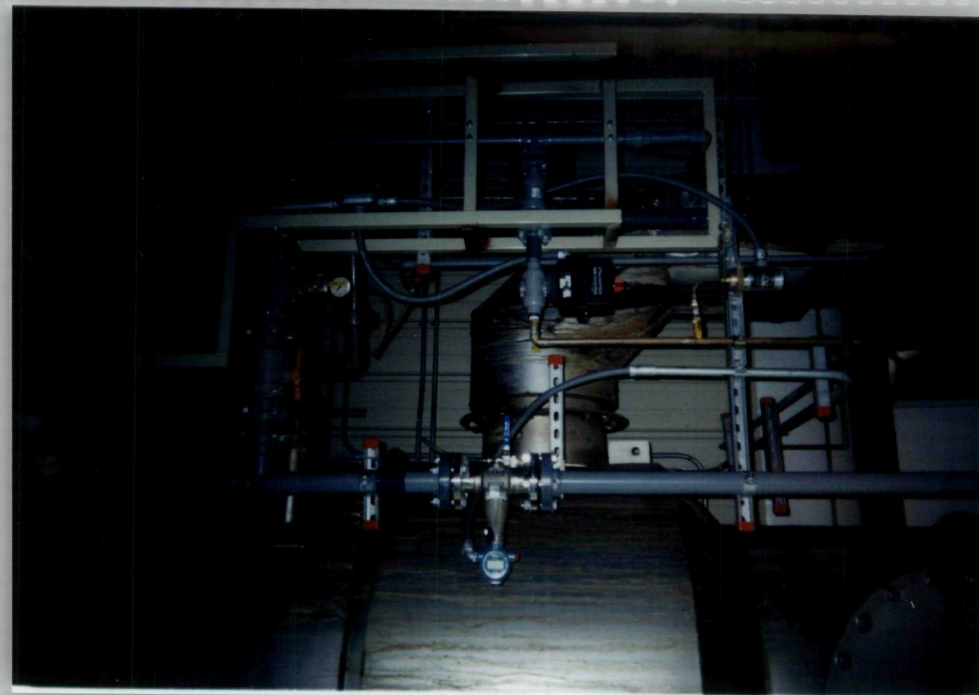
Proj. #: 46526

Roll: 25 Photo #5

Date: 07-30-02 Time: 08:05

Photographer: Leigh Peters

Description: Photo facing north showing MEI compacting the western portion of the former location of swale 5 with a sheepsfoot roller.



Site: American Chemical Services, Inc.

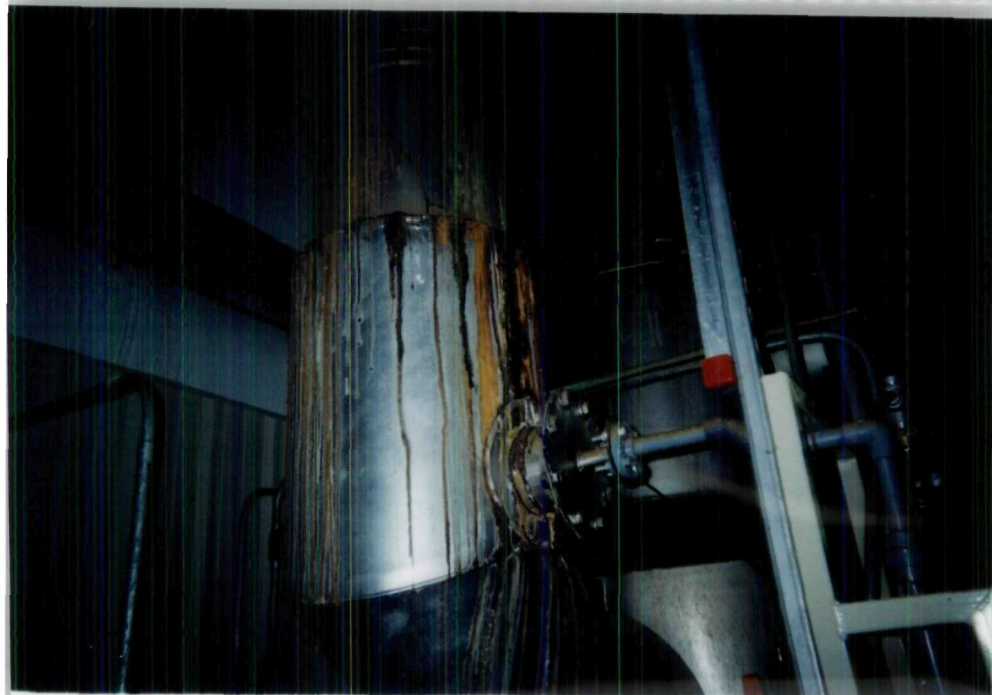
Proj. #: 46526

Roll: 25 Photo #6

Date: 07-30-02 Time: 08:55

Photographer: Leigh Peters

Description: Photo facing south showing the corrosion on the OFCA ISVE system scrubber ducting from the thermal oxidizer.



Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 25 Photo #7

Date: 07-30-02 Time: 09:00

Photographer: Leigh Peters

Description: Photo facing southwest showing the corrosion on the duct work elbow between the OFCA ISVE system thermal oxidizer and scrubber.

Site: American Chemical Services, Inc.

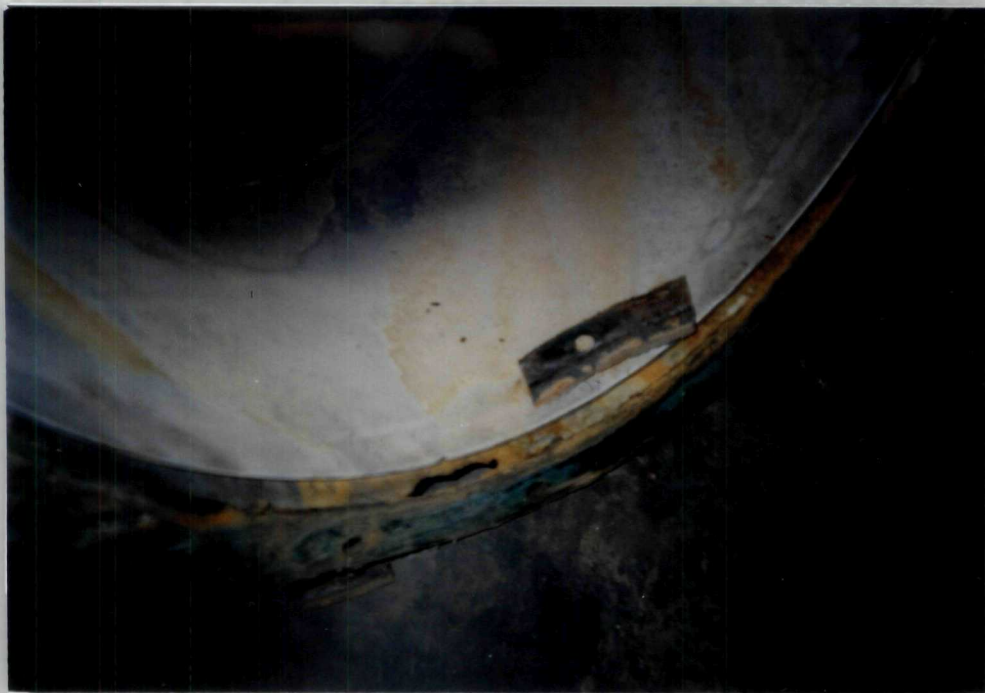
Proj. #: 46526

Roll: 25 Photo #8

Date: 08-01-02 Time: 07:50

Photographer: Leigh Peters

Description: Photo facing southeast showing ISVE well field from blower shed and the former location of swale 5.



Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 25 Photo #9

Date: 08-20-02 Time: 08:15

Photographer: Leigh Peters

Description: Photo facing northeast at ground showing the corrosion damage to the flange for the ducting from the OFCA ISVE system thermal oxidizer and scrubber.



Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 25 Photo #10

Date: 08-20-02 Time: 08:15

Photographer: Leigh Peters

Description: Photo facing north at ground showing the damage to the primary quench bar. Note that the stainless steel spray nozzle is completely corroded away.



Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 25 Photo #11

Date: 08-20-02 Time: 08:15

Photographer: Leigh Peters

Description: Photo facing north showing the connection to the scrubber and corrosion in the welded area.

Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 25 Photo #12

Date: 08-20-02 Time: 08:15

Photographer: Leigh Peters

Description: Photo facing north showing the connection to the scrubber and corrosion in the welded area.



Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 25 Photo #13

Date: 08-20-02 Time: 08:30

Photographer: Leigh Peters

Description: Photo facing northwest at ground showing damaged sustained by the Hastelloy components.

Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 25 Photo #14

Date: 08-22-02 Time: 09:15

Photographer: Leigh Peters

Description: Photo facing north looking down at the packing removed from the OFCA ISVE system scrubber.



Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 25 Photo #15

Date: 08-27-02 Time: 07:20

Photographer: Leigh Peters

Description: Photo facing southeast of the insulation placed on the activated sludge tank.

Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 25 Photo #16

Date: 08-27-02 Time: 08:10

Photographer: Leigh Peters

Description: Photo facing west showing ECI removing the erosion matting from the OFCA interim cover.



Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 25 Photo #17

Date: 08-27-02 Time: 08:45

Photographer: Leigh Peters

Description: Photo facing north showing ECI removing weeds from the southeast portion of the OFCA interim cover in preparation for the liner installation.



Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 25 Photo #18

Date: 08-27-2002 Time: 10:00

Photographer: Leigh Peters

Description: Photo facing southwest of Momper Insulation insulating the activated sludge tank.



Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 25 Photo #19

Date: 08-27-2002 Time: 10:30

Photographer: Leigh Peters

Description: Photo facing southwest of Momper Insulation insulating the activated sludge tank.



Site: American Chemical Services, Inc.

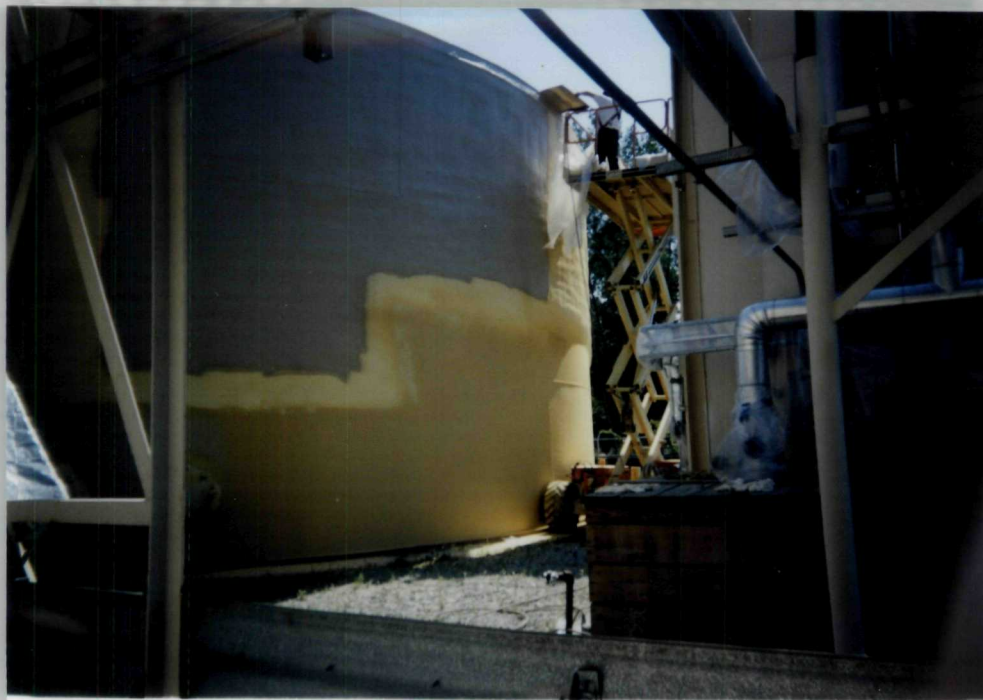
Proj. #: 46526

Roll: 25 Photo #20

Date: 08-27-2002 Time: 11:10

Photographer: Leigh Peters

Description: Photo facing south showing ECI removing the geotextile and gravel from the temporary road to the blower shed on the OFCA.



Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 25 Photo #21

Date: 08-27-2002 Time: 13:00

Photographer: Leigh Peters

Description: Photo facing southeast showing Momper Insulation spraying epoxy sealant and paint over the insulation on the activate sludge tank.



Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 25 Photo #22

Date: 08-27-2002 Time: 14:30

Photographer: Leigh Peters

Description: Photo facing west showing ECI place general fill around the OFCA blower shed foundation.



Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 25 Photo #23

Date: 08-29-02 Time: 08:30

Photographer: Leigh Peters

Description: Photo facing south showing ECI removing the topsoil from the eastern extent of the OFCA cover for the liner installation

Site: American Chemical Services, Inc.

Proj. #: 46526

Roll: 25 Photo #24

Date: 08-29-02 Time: 10:50

Photographer: Leigh Peters

Description: Photo facing south showing Momper Insulation insulate the aeration tank.



Site: American Chemical Services, Inc.

Proj. # 46526

Roll: 25 Photo #25

Date: 08-29-02 Time: 11:05

Photographer: Leigh Peters

Description: Photo facing south showing MWH
inspecting the liner for the OFCA
engineered cover.